

**TKHR****THOMAS, KAYDEN, HORSTEMEYER & RISLEY, L.L.P.**

ATTORNEYS AT LAW

100 Galleria Parkway, NW  
Suite 1750  
Atlanta, GA 30339-5848  
Telephone: (770) 933-9500  
Facsimile: (770) 951-0933  
[www.tkhr.com](http://www.tkhr.com)

Daniel R. McClure  
ext. 259

e-mail: [dan.mcclure@tkhr.com](mailto:dan.mcclure@tkhr.com)**FACSIMILE TRANSMISSION**

September 22, 2004

**[252016-1390]****TO**

Mr. Examiner Huynh  
FAX: (571) 273-1781

**From**

Daniel R. McClure  
FAX: 770-951-0933

TEL: (571) 272-1781

TEL: 770-933-9500 (x 259)

**RE: Substitute Response for Serial Number 10/696,430**

(Message)

Number of Pages (Including This Cover Sheet): - 11 - Page(s)  
**PLEASE ACKNOWLEDGE SAFE AND CLEAR RECEIPT OF ALL PAGES.**

**CONFIDENTIAL**

The information in this facsimile message is legally privileged and confidential information intended only for the use of the individual or entity named above. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or reproduction of this communication is strictly prohibited. If you have received this facsimile in error, please notify us by telephone and return the original message to us at the address above via the United States Postal Service. Thank you.

INTERNATIONAL PATENT, TRADEMARK AND COPYRIGHT LAW AND RELATED LITIGATION

Huntsville, Alabama

Atlanta, Georgia

**PATENT  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of:  
Min-Hwa Chi

Confirmation Number: 6774

Serial No.: 10/696,430

Group Art Unit: 2818  
Examiner: Huynh, Andy

Filed: 10/29/2003

TKHR Docket No. 252016-1390

Top-Team Ref. 0503-A30719US

For: A GATE-CONTROLLED, NEGATIVE RESISTANCE DIODE DEVICE USING  
BAND-TO-BAND TUNNELING

Certificate of Facsimile

I hereby certify that this correspondence is being sent via  
facsimile to facsimile number (571) 273-1781 on September 22  
2004.

  
Signature - Daniel R. McClure

**SUBSTITUTE AMENDMENT AND RESPONSE TO OFFICE ACTION**

Mail Stop -Amendment  
Assistant Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Examiner's request (by phone), this substitute response is submitted in place of the response filed on September 3, 2004. This substitute response is identical in all respect, except that it includes the steps of "depositing a conductor layer overlying said insulator layer" in claims 24 and 33 (which were inadvertently omitted in the prior response.